| L Number | Hits | Search Text | DB | Time stamp | |
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| 1 | 0 | compil\$4 near10 xml near10 canonical\$4 | USPAT; | 2004/08/24 | - |
| | | and @ad<20010531 | US-PGPUB; | 08:25 | |
| | | | EPO; JPO; | | |
| | | | DERWENT; IBM TDB | | 1 |
| 2 | 13 | format\$6 near10 xml near10 canonical\$4 | USPAT; | 2004/08/24 | |
| - | | and @ad<20010531 | US-PGPUB; | 08:40 | |
| | | | EPO; JPO; | | |
| | | | DERWENT; | | |
| | 700 | 10 10 11 11 | IBM TDB | 2004/00/04 | |
| 3 | 728 | (format\$6 near10 xml).ab.ti. and @ad<20010531 | USPAT; US-PGPUB; | 2004/08/24 08:40 | |
| | | | EPO; JPO; | 00.40 | |
| | | | DERWENT; | | |
| • | | | IBM_TDB | | |
| 4 | 48 | 1 1 = - = 1 · | USPAT; | 2004/08/24 | |
| | | standard\$6).ab.ti. and @ad<20010531 | US-PGPUB; | 08:40 | |
| | | | EPO; JPO; DERWENT; | | |
| | | | IBM TDB | | |
| 5 | 2 | "20030046317" | USPAT; | 2004/08/24 | |
| | | | US-PGPUB; | 08:52 | |
| | | | EPO; JPO; | | |
| | | · | DERWENT; | | 1 |
| 6 | 1500 | xml near5 request\$4 and 2ad<2010513 | IBM_TDB USPAT; | 2004/08/24 | |
| O | 1300 | AMI Hears requesty4 and zad(2010313 | US-PGPUB; | 08:52 | |
| | | | EPO; JPO; | 00102 | |
| | | | DERWENT; | | 1 |
| _ | _ | | IBM_TDB | | |
| 7 | 0 | (xml near5 request\$4) and @ad<2010513 | USPAT; | 2004/08/24 | |
| | | | US-PGPUB; EPO; JPO; | 08:53 | |
| | | | DERWENT; | | |
| | | | IBM TDB | | |
| 8 | 373 | (xml near5 request\$4) and @ad<20010513 | USPAT; | 2004/08/24 | |
| | | | US-PGPUB; | 08:53 | |
| | | | EPO; JPO; DERWENT; | | |
| | | | IBM TDB | | İ |
| 9 | 156 | (xml near5 request\$4).ab.ti. and | USPAT; | 2004/08/24 | |
| | | @ad<20010513 | US-PGPUB; | 08:54 | |
| | | | EPO; JPO; | | |
| | | | DERWENT; | | |
| 10 | 2975496 | (soap near5 request\$4 (translat\$4 | IBM_TDB USPAT; | 2004/08/24 | |
| +0 | 25,5450 | format\$4 convert\$4 convers\$4)) and | US-PGPUB; | 08:55 | |
| | | @ad<20010513 | EPO; JPO; | | |
| | | · | DERWENT; | | |
| 11 | | / | IBM_TDB | 2004/09/24 | |
| 11 | 1 | (soap near5 request\$4 near10 (translat\$4 format\$4 convert\$4 convers\$4)) and | USPAT; US-PGPUB; | 2004/08/24 | |
| | | Qad<20010513 | EPO; JPO; | 30.30 | |
| | | | DERWENT; | | |
| | | | IBM_TDB | | |
| 12 | 1493 | | USPAT; | 2004/08/24 | |
| | | convert\$4 convers\$4)) and @ad<20010513 | US-PGPUB; | 08:59 | |
| | | | EPO; JPO; DERWENT; | | |
| | | | IBM TDB | | |
| 13 | 3 | (soap near10 request\$4 near10 (translat\$4 | USPAT; | 2004/08/24 | |
| | | format\$4 convert\$4 convers\$4)) and | US-PGPUB; | 08:58 | |
| | | @ad<20010513 | EPO; JPO; | | |
| | | | DERWENT; | | |
| | L | | IBM_TDB | | |

| 14 | | 0 | (soap near10 request\$4 near10 | USPAT; | 2004/08/24 | |
|-----|---|-----|---|------------------------|---------------------|-----|
| | | | canonical\$4) and @ad<20010513 | US-PGPUB; | 08:57 | |
| | | | | EPO; JPO; | | İ |
| | | | | DERWENT; | | |
| 1.5 | | | | IBM_TDB | | |
| 15 | | 15 | (soap near10 (translat\$4 format\$4 | USPAT; | 2004/08/24 | |
| | | | convert\$4 convers\$4)) and xml and | US-PGPUB; | 09:02 | |
| | | | @ad<20010513 | EPO; JPO; DERWENT; | | |
| | ļ | | | IBM TDB | | - 1 |
| 16 | | . 0 | (soap near10 (cach\$4)) and xml and | USPAT; | 2004/08/24 | |
| 10 | | U | (soap hearto (cachay)) and xmr and (cachay) | US-PGPUB; | 09:01 | |
| | ł | | Gad<20010313 | EPO; JPO; | 09:01 | |
| | | | | DERWENT; | | |
| | | | | IBM TDB | | |
| 17 | | 1 | (soap near10 (proxy\$4)) and xml and | USPAT; | 2004/08/24 | |
| Τ, | } | 1 | @ad<20010513 | US-PGPUB; | 09:03 | İ |
| | | | 644(20010013 | EPO; JPO; | 03.03 | |
| | | | | DERWENT; | | |
| | | | | IBM TDB | | 1 |
| 18 | | 1 | (soap near10 (cach\$4)) and @ad<20010513 | USPAT; | 2004/08/24 | - |
| | | _ | , <u>-</u> | US-PGPUB; | 09:01 | ł |
| | ļ | | | EPO; JPO; | | |
| | | | | DERWENT; | | |
| | - | | | IBM TDB | | |
| 19 | , | 2 | soap near10 (return\$4) same prox\$4 and | USPAT; | 2004/08/24 | |
| | | _ | @ad<20010513 | US-PGPUB; | 09:03 | ļ |
| | | | | EPO; JPO; | | ł |
| | | | | DERWENT; | | |
| | - | | | IBM TDB | | |
| 20 | | 0 | soap near10 (return\$4) same cach\$4 and | USPĀT; | 2004/08/24 | |
| | | | @ad<20010513 | US-PGPUB; | 09:04 | - 1 |
| | | | | EPO; JPO; | | 1 |
| | | | | DERWENT; | | |
| | | | | IBM_TDB | | |
| 21 | | 1 | (soap near10 (prox\$4)) and xml and | USPAT; | 2004/08/24 | |
| | | | @ad<20010513 | US-PGPUB; | 09:04 | |
| | | | | EPO; JPO; | | |
| | , | | | DERWENT; | | |
| | | | | IBM_TDB | | |
| 22 | | 276 | soap and cach\$4 and @ad<20010513 | USPAT; | 2004/08/24 | |
| | | | | US-PGPUB; | 09:11 | |
| | | | | EPO; JPO; | | - |
| | | | | DERWENT; | | 1 |
| 23 | | 43 | OBJECT\$1 NEAR10 (cach\$4 prox\$4) and soap | IBM_TDB USPAT; | 2004/08/24 | |
| ۷3 | | 43 | and @ad<20010513 | | 1 | |
| | | | and ead<20010313 | US-PGPUB; EPO; JPO; | 09:21 | |
| | | | | DERWENT; | | |
| | | | | IBM TDB | | |
| 24 | } | 0 | soap near10 request\$1 near10 convert\$4 | USPAT; | 2004/08/24 | |
| 27 | | U | and @ad<20010513 | US-PGPUB; | 09:21 | |
| | . | | and Cad (20010010 | EPO; JPO; | | |
| | - | | | DERWENT; | | |
| | | | | IBM TDB | | |
| 25 | | 0 | soap near10 request\$1 same convert\$4 and | USPAT; | 2004/08/24 | į |
| | | Ü | @ad<20010513 | US-PGPUB; | 09:21 | |
| | | | | EPO; JPO; | | l |
| | İ | | | DERWENT; | | |
| | | | | IBM TDB | | 1 |
| 26 | | 0 | soap near10 request\$1 same standard\$4 and | USPAT; | 2004/08/24 | 1 |
| | | | @ad<20010513 | US-PGPUB; | 09:22 | |
| | | | | EPO; JPO; | | |
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| | | | | IBM TDB | | |
| 27 | | 35 | soap near10 request\$3 and @ad<20010513 | USPĀT; | 2004/08/24 | |
| 27 | - | 35 | soap near10 request\$3 and @ad<20010513 | | 2004/08/24 09:25 | |
| 27 | | 35 | soap near10 request\$3 and @ad<20010513 | USPĀT; | 1 = - | |
| 27 | - | 35 | soap near10 request\$3 and @ad<20010513 | USPĀT; US-PGPUB; | 1 = - | |

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| Seap | 28 | - | 462 | soap near10 standard\$3 and @ad<20010513 | US-PGPUB; | | |
| 29 | | | | | | | |
| Section Sect | 0.0 | | | | _ | | |
| 1 | 29 | | 8 | | · | 1 . | |
| 10 | | | | 644(20010013 | | 09.30 | |
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| and @ad<20010513 | 30 | | 11 | soan near10 standard\$3 same \$3format\$6 | | 2004/08/24 | - |
| 18 soap same standard\$3 same check\$4 and USPAT; U | 30 | | ** | | | 1 ' ' | - 1 |
| 18 | | | | | | | |
| 18 | | | | | 1 | | |
| Sepon | 31 | | 18 | | | 2004/08/24 | |
| Servent | | | | @ad<20010513 | | 09:33 | |
| 32 33 soap and canonical and @ad<20010513 USPAT; US-PCPUB; PRO: JPO: DERWENT; IBM TDB USPAT; US-PCPUB; PRO: JP | | | | | | | |
| 33 728 | | | | | IBM_TDB | | |
| Soap near10 compar\$4 and @ad<20010513 | 32 | | 33 | soap and canonical and @ad<20010513 | | · · · · · · · · · · · · · · · · · · · | |
| 2004/08/24 200 | | | | | · | 09:34 | |
| 33 728 soap near10 compar\$4 and @ad<20010513 US-PGPUB; US- | | | | | DERWENT; | | |
| 34 0 | 20 | | 730 | gean near10 compared and Acde20010E12 | _ | 2004/09/24 | |
| ### Report | 33 | | 128 | soap nearto comparça and ead<20010513 | | 1 | |
| Soap near10 compar\$4 near10 request\$4 and UsPAT; USPGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US | | | | | EPO; JPO; | | |
| 34 0 soap near10 compar\$4 near10 request\$4 and (BSPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; | | 1 | | · | | | |
| ### Below #### | 34 | | 0 | soap near10 compar\$4 near10 request\$4 and | | 2004/08/24 | |
| Serwin S | | | | | | 09:35 | - |
| 18M TDB 18M | | | | | | | : |
| Gad<20010513 | | | | | l . | | |
| ### Second Convert\$4 near10 xml and @ad<20010513 ### Second Convert\$4 near10 xml and @ad<20010513 ### Second Convert\$4 near10 xml same request\$4 and @ad<20010513 ### Second Convert\$4 near10 xml same request\$4 and @ad<20010513 ### Second Convert\$4 near10 xml same request\$4 and @ad<20010513 ### Second Convert\$4 near10 xml same request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Second Convert\$4 near10 request\$4 and @ad<20010513 ### Se | 35 | | 2 | | 1 | | |
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| 110 | | | | | | | |
| 37 | | | | | | | |
| @ad<20010513 | 37 | | 110 | convert\$4 near10 xml same request\$4 and | | 2004/08/24 | |
| Second S | | | | | US-PGPUB; | | |
| Same | | | | | | • | |
| 38 5 xml near10 validat\$4 near10 request\$4 and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DE | | | | | 1 | | 1 |
| EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; | 38 | | 5 | | USPĀT; | 1 | |
| DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; | | | | @ad<20010513 | | 09:45 | |
| TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; | | | | | | | |
| US-PGPUB; EPO; JPO; DERWENT; IBM_TDB xml near10 translat\$4 same cach\$4 and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB wspar = 10 | | | _ | | IBM_TDB | 0004/00/00 | |
| EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; | · = | | 33 | xml near10 cach\$4 and @ad<20010531 | | | |
| - 3 xml near10 translat\$4 same cach\$4 and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; | | | | | 1 | 12.01 | |
| - 3 xml near10 translat\$4 same cach\$4 and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; US-PGPUB; EPO; JPO; DERWENT; | | | | | 1 | | |
| Gad<20010531 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; 2004/08/23 US-PGPUB; EPO; JPO; DERWENT; DERWENT; | _ | | 3 | xml near10 translat\$4 same cach\$4 and | | 2004/08/23 | |
| DERWENT; IBM_TDB USPAT; Qad<20010531 DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | | | | | US-PGPUB; | | |
| - 5 xml near10 cach\$4 and hash\$4 and USPAT; 2004/08/23 US-PGPUB; EPO; JPO; DERWENT; | | | | | | | 1 |
| - 5 xml near10 cach\$4 and hash\$4 and USPAT; 2004/08/23 US-PGPUB; EPO; JPO; DERWENT; 2004/08/23 | | | | | · · | | |
| EPO; JPO; DERWENT; | _ | | 5 | | USPAT; | • | |
| DERWENT; | | | | @ad<20010531 | · · | 12:58 | |
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| _ | 18 | xml near10 request\$4 and canonical\$4 and @ad<20010531 | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2004/08/23 13:01 |
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| | | | IBM TDB | |
| - | 0 | xml near10 (convert\$4 translat\$4) near10 canonical\$4 and @ad<20010531 | USPAT; US-PGPUB; | 2004/08/23 |
| | | | EPO; JPO; DERWENT; IBM TDB | |
| _ | 20 | xml near10 canonical\$4 and @ad<20010531 | USPAT; US-PGPUB; EPO; JPO; | 2004/08/23 13:05 |
| | | | DERWENT; IBM_TDB | 2024/22/22 |
| | 560 | xml near10 convert\$6 and @ad<20010531 | USPAT; US-PGPUB; EPO; JPO; | 2004/08/23 13:06 |
| | | | DERWENT; IBM TDB | |
| - | 45 | standard\$4 near10 xml near10 convert\$6 and @ad<20010531 | USPAT; US-PGPUB; | 2004/08/23 13:05 |
| | | | EPO; JPO; DERWENT; | |
| i. | | and an analog and an analog and | IBM_TDB USPAT; | 2004/08/23 |
| _ | 8 | xml near10 convert\$6 same cach\$4 and @ad<20010531 | US-PGPUB; | 13:09 |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM_TDB | |
| - | 33 | xml near10 cach\$4 and @ad<20010531. | USPAT; US-PGPUB; | 2004/08/23 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| - | 278 | xml near10 translat\$5 and @ad<20010531 | USPĀT; US-PGPUB; EPO; JPO; | 2004/08/23 |
| | | | DERWENT; | |
| _ | 3 | xml near10 translat\$5 same cach\$4 and | IBM_TDB USPAT; | 2004/08/23 |
| | | @ad<20010531 | US-PGPUB; EPO; JPO; | 13:16 |
| | | | DERWENT; | |
| | 8 | xml near10 convert\$5 same cach\$4 and | IBM_TDB USPAT; | 2004/08/23 |
| | | @ad<20010531 | US-PGPUB; | 13:18 |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM_TDB | 2004/09/22 |
| - | 19 | xml near10 request\$5 same cach\$4 and @ad<20010531 | USPAT; US-PGPUB; | 2004/08/23 13:25 |
| | | | EPO; JPO; | |
| | | · | DERWENT; IBM_TDB | |
| - | 61 | xml near10 request\$5 near10 conver\$6 and @ad<20010531 | USPAT; US-PGPUB; | 2004/08/23 |
| | | | EPO; JPO; | 13.22 |
| | | | DERWENT; IBM TDB | |
| - | 0 | 1 | USPĀT; | 2004/08/23 |
| | | cach\$4 and @ad<20010531 | US-PGPUB; EPO; JPO; DERWENT; | 13:30 |
| | | | IBM_TDB | 0004/09/03 |
| _ | 22 | xml near10 request\$5 near10 conver\$6 and cach\$4 and @ad<20010531 | USPAT; US-PGPUB; | 2004/08/23 |
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| _ | | 18 | (xml near10 cach\$4).ab.ti. and | USPAT; | 2004/08/23 | \Box |
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| | | | @ad<20010531 | US-PGPUB; | 13:53 | İ |
| | | | | EPO; JPO; | | |
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| - | | 2 | standard near10 canonical near10 xml and | USPAT; | 2004/08/23 | - 1. |
| | | | @ad<20010531 | US-PGPUB; | 13:55 | |
| | | | | EPO; JPO; | | |
| | : | | | DERWENT; | | |
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| | : | 1 | standard near10 canonical near10 xml and | USPAT; | 2004/08/23 | |
| | | | cach\$4 and @ad<20010531 | US-PGPUB; | 13:55 | |
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| | | | | DERWENT; | | |
| | | | | IBM_TDB | | |
| - | | 0 | standard near10 canonical near10 xml and | USPAT; | 2004/08/23 | |
| | | | proxy\$4 and @ad<20010531 | US-PGPUB; | 13:56 | - [|
| | | | | EPO; JPO; | | |
| | ļ | | | DERWENT; | | 1 |
| | | | | IBM_TDB | | |
| - | | 0 | standard near10 canonical near10 xml same | USPAT; | 2004/08/23 | |
| | : [| | convert\$4 and @ad<20010531 | US-PGPUB; | 13:56 | |
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| | | | | IBM_TDB | | |
| - | | 0 | standard near10 canonical near10 xml same | USPAT; | 2004/08/23 | |
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| | | | | EPO; JPO; | | 1 |
| | | | | DERWENT; | | |
| | | | | IBM_TDB | | |
| - | | 1 | canonical near10 xml same translat\$4 | USPAT; | 2004/08/23 | |
| | | | and @ad<20010531 | US-PGPUB; | 13:57 | |
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| - | | 2 | canonical near10 xml same convert\$4 and | USPAT; | 2004/08/23 | |
| | | | @ad<20010531 | US-PGPUB; | 14:19 | 1 |
| | | | | EPO; JPO; | | |
| | | | | DERWENT; | | |
| | İ | 100 | / 104 | IBM_TDB USPAT; | 2004/08/23 | |
| - | 1 | 102 | (cach\$4 near10 hash).ab.ti. and | | 13:59 | |
| | | | @ad<20010531 | US-PGPUB; EPO; JPO; | 13:39 | |
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Article No. 11

Year of Publication: 2001

ISSN:1075-3583

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♠ REFERENCES

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- 1 A number of web sites and articles have discussed SOAP, although I haven't seen very many examples of programs that demonstrate how to use them. A good starting point is Dave Winer's site at http://soap.weblogs.com/. This includes pointers to the SOAP specification, as well as a running web log describing the state of SOAP affairs.
- 2 The SOAP specification, which is published (and endorsed) by the World Wide Web Consortium, is available on-line at http://www.w3.org/TR/SOAP/.
- 3 The SOAP::Lite module is available at http://www.soaplite.com/ as well as via CPAN. Paul Kulchenko, the author of SOAP::Lite, has worked hard to improve this module and gave me invaluable debugging assistance when working on this article.

↑ INDEX TERMS

Primary Classification:

D. Software

C D.4 OPERATING SYSTEMS

D.4.0 General

Nouns: Linux

Additional Classification:

- C. Computer Systems Organization
- C.2 COMPUTER-COMMUNICATION NETWORKS
- H. Information Systems
- H.3 INFORMATION STORAGE AND RETRIEVAL
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 - Subjects: Web-based services
- H.5 INFORMATION INTERFACES AND PRESENTATION (I.7)
 - H.5.3 Group and Organization Interfaces
 - Subjects: Web-based interaction

General Terms:

Design, Performance, Standardization

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1 Web site engineering: A flexible framework for engineering "my" portals Fernando Bellas, Daniel Fernández, Abel Muiño

window

May 2004 Proceedings of the 13th international conference on World Wide Web

Full text available: 7 pdf(420.01 KB) Additional Information: full citation, abstract, references, index terms

There exist many portal servers that support the construction of "My" portals that is portals that allow the user to have one or more personal pages composed of a number of personalizable services. The main drawback of current portal servers is their lack of generality and adaptability. This paper presents the design of MyPersonalizer a J2EE-based framework for engineering My portals. The framework is structured according to the Model-View-Controller and Layers architectural patterns providing q ...

Keywords: design patterns, j2ee, portal technology, web application frameworks and architectures, web engineering

2 Pervasive computing: Modeling service-based multimedia content adaptation in pervasive computing

Girma Berhe, Lionel Brunie, Jean-Marc Pierson

April 2004 Proceedings of the first conference on computing frontiers on Computing frontiers

Full text available: Top pdf(691.71 KB) Additional Information: full citation, abstract, references, index terms

Pervasive computing applications allow users to access information from anywhere while traveling and using variety of devices. Heterogeneity and limitation of resources involved in this application demand adaptation of content according to the current context (device, user, network etc.). The dynamic nature of adaptation mechanisms together with emerging opportunities of Web Service technology provides new approach of adaptation which is service-based. While this approach would provide a valuabl ...

Keywords: content adaptation services, media transformation, multimedia content delivery, pervasive computing

3 Embedded systems: applications, solutions and techniques (EMBS): Code generation techniques for developing light-weight XML Web services for embedded devices Robert van Engelen

March 2004 Proceedings of the 2004 ACM symposium on Applied computing

Full text available: pdf(404.19 KB) Additional Information: full citation, abstract, references

This paper presents specialized code generation techniques and runtime optimizations for developing light-weight XML Web services for embedded devices. The optimizations are implemented in the gSOAP Web services development environment for C and C++. The system supports the industry-standard XML-based Web services protocols that are intended to deliver universal access to any networked application that supports XML. With the standardization of the Web services protocols and the availability of t ...

Keywords: Web Services, XML, embedded systems, networking

4 How clean is the future of SOAP?

Conan C. Albrecht

February 2004 Communications of the ACM, Volume 47 Issue 2

Full text available: pdf(76.14 KB) Additional Information: full citation, abstract, references, index terms html(16.40 KB)

If developers are not wise with its application, SOAP may lose the ability to tunnel through firewalls---an ability that represents one of its primary advantages.

⁵ A service-oriented monitoring registry

Bahman Kalali, Paulo Alencar, Don Cowan

October 2003 Proceedings of the 2003 conference of the Centre for Advanced Studies conference on Collaborative research

Full text available: pdf(217.87 KB) Additional Information: full citation, abstract, references, index terms

Web services are software modules that expose their functionality over the Internet via well-defined interfaces. Although Web services are promising technologies in that they facilitate application-to-application communication over the Internet, they still rely on traditional distributed computing communication models such as the remote procedure call, in which a Web service requestor needs to have complete knowledge of a Web service provider interface. If a Web service requestor did not use the ...

⁶ Features: The Big Bang Theory of IDEs

Caspar Boekhoudt

October 2003 Queue, Volume 1 Issue 7

Full text available: pdf(959.56 KB)

Additional Information: <u>full citation</u>, <u>index terms</u>

7 Features: Caching XML Web Services for Mobility

May 2003 Queue, Volume 1 Issue 3

Full text available: pdf(311.20 KB)
Additional Information: full citation, index terms

8 Ontologies: Local consensus ontologies for B2B-oriented service composition Andrew Williams, Anand Padmanabhan, M. Brian Blake

July 2003 Proceedings of the second international joint conference on Autonomous agents and multiagent systems

Full text available: pdf(469.41 KB) Additional Information: full citation, abstract, references, index terms

Agents seeking to discover and compose needed Web services may face knowledge sharing interoperability problems due to differing ontologies. In practice, agents may not have a

global consensus ontology that will facilitate knowledge sharing and integration of required services. We investigate a method for agents to develop local consensus ontologies to aid in the communication within a multi-agent system of business-to-business (B2B) agents. We compare variations of syntactic and semantic simila ...

Keywords: agent-mediated electronic commerce, ontologies in agent-based information systems and knowledge management

9 Anatomy of a Web service

Kamalsinh F. Chavda

January 2004 Journal of Computing Sciences in Colleges, Volume 19 Issue 3

Full text available: pdf(869.66 KB) Additional Information: full citation, abstract, references, index terms

One of the newest innovations for the use of the Internet is Web services. Web services allow applications and Internet-enabled devices to easily communicate with one another and combine their functionality to provide services to each other, independent of platform or language. Web services are characterized by SOAP messages used to talk to a Web service, WSDL files that describe a Web service, and the UDDI used to find Web services. Conceptually, Web services are very understandable. They elimi ...

10 Reputation and endorsement for web services

E. Michael Maximilien, Munindar P. Singh

December 2001 ACM SIGecom Exchanges, Volume 3 Issue 1

Full text available: pdf(70.18 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms

The web services set of standards promise the dynamic creation of loosely coupled systems, such as those that are required for e-commerce applications. However, current approaches for web services lack key functionality, especially to locate, select, and bind services meeting certain criteria of quality. We propose an approach wherein software agents assist in this task by disseminating reputations and endorsements through a specialized agency, which augments the capabilities of current standard ...

Keywords: e-commerce, software agents, web services

11 A platform for the description, distribution and analysis of genetic polymorphism data Greg D. Tyrelle, Garry C. King

January 2003 Proceedings of the First Asia-Pacific bioinformatics conference on Bioinformatics 2003 - Volume 19

Full text available: pdf(174.59 KB) Additional Information: full citation, abstract, references, index terms

In this paper we suggest the requirements for an open platform designed for the description, distribution and analysis of genetic polymorphism data. This platform is discussed in terms of our implementation of a phenotypic prediction pipeline with general application to the understanding of genetic variation. The current state of polymorphism data storage and distribution has several recognised deficiencies. These include the lack of a shared data model and low overlap between databases. To move ...

Keywords: RDF, SNP, XML, database, distributed, web services

12 Session 4: Web service applications: Authenticating distributed data using Web services and XML signatures Daniel J. Polivy, Roberto Tamassia

November 2002 Proceedings of the 2002 ACM workshop on XML security

Full text available: pdf(164.09 KB) Additional Information: full citation, abstract, references, index terms

As the need for digital data becomes more ubiquitous, so does the need to provide efficient mechanisms for distributing and verifying the authenticity of that data. We present an architecture for authenticating responses to queries from untrusted mirrors of authenticated dictionaries using Web Services and XML Signatures. We also describe an implementation of our scheme for the Secure Transaction Management System.

Keywords: Web services, XML, authentication, digital signatures

13 The Proteus multiprotocol message library

Kenneth Chiu, Madhusudhan Govindaraju, Dennis Gannon

November 2002 Proceedings of the 2002 ACM/IEEE conference on Supercomputing

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(128.51 KB) terms

Grid systems span manifold organizations and application domains. Because this diverse environment inevitably engenders multiple protocols, interoperability mechanisms are crucial to seamless, pervasive access. This paper presents the design, rationale, and implementation of the Proteus multiprotocol library for integrating multiple message protocols, such as SOAP and JMS, within one system. Proteus decouples application code from protocol code at run-time, allowing clients to incorporate separa ...

Keywords: SOAP, component, grid, middleware, multiprotocol

14 Interoperable Web services for computational portals

Marlon Pierce, Geoffrey Fox, Choonhan Youn, Steve Mock, Kurt Mueller, Ozgur Balsoy November 2002 Proceedings of the 2002 ACM/IEEE conference on Supercomputing

Full text available: pdf(278.00 KB) Additional Information: full citation, abstract, references, index terms

Computational web portals are designed to simplify access to diverse sets of high performance computing resources, typically through an interface to computational Grid tools. An important shortcoming of these portals is their lack of interoperable and reusable services. This paper presents an overview of research efforts undertaken by our group to build interoperating portal services around a Web Services model. We present a comprehensive view of an interoperable portal architecture, beginning w ...

15 The XCAT science portal

Sriram Krishnan, Randall Bramley, Dennis Gannon, Madhusudhan Govindaraju, Rahul Indurkar, Aleksander Slominski, Benjamin Temko, Jay Alameda, Richard Alkire, Timothy Drews, Eric Webb

November 2001 Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(224.53 KB) terms

The design and prototype implementation of the XCAT Grid Science Portal is described in this paper. The portal lets grid application programmers easily script complex distributed computations and package these applications with simple interfaces for others to use. Each application is packaged as a "notebook" which consists of web pages and editable parameterized scripts. The portal is a workstation-based specialized "personal" web server, capable of executing the application scripts and launchin ...

Keywords: distributed simulations, grid, science portal, scripted applications

Mobility and Wireless Access: Mobile streaming media CDN enabled by dynamic SMIL Takeshi Yoshimura, Yoshifumi Yonemoto, Tomoyuki Ohya, Minoru Etoh, Susie Wee May 2002 Proceedings of the eleventh international conference on World Wide Web

Full text available: pdf(623.98 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we present a mobile streaming media CDN (Content Delivery Network) architecture in which content segmentation, request routing, pre-fetch scheduling, and session handoff are controlled by SMIL (Synchronized Multimedia Integrated Language) modification. In this architecture, mobile clients simply follow modified SMIL files downloaded from a streaming portal server; these modifications enable multimedia content to be delivered to the mobile clients from the best surrogates in the CD ...

Keywords: CDN, SMIL, mobile network, streaming media

17 Security for Web Applications and P2P: Abstracting application-level web security David Scott, Richard Sharp

May 2002 Proceedings of the eleventh international conference on World Wide Web

Full text available: pdf(287.51 KB)

Additional Information: full citation, abstract, references, citings, index terms

Application-level web security refers to vulnerabilities inherent in the code of a web-application itself (irrespective of the technologies in which it is implemented or the security of the web-server/back-end database on which it is built). In the last few months application-level vulnerabilities have been exploited with serious consequences: hackers have tricked e-commerce sites into shipping goods for no charge, user-names and passwords have been harvested and condential information (such as ...

Keywords: application-Level web security, component-based design, security policy description language

18 <u>Ubiquitous WWW: Profiles for the situated web</u>

Lalitha Suryanarayana, Johan Hjelm

May 2002 Proceedings of the eleventh international conference on World Wide Web

Full text available: pdf(263.89 KB) Additional Information: full citation, abstract, references, index terms

The World Wide Web is evolving into a medium that will soon make it possible for conceiving and implementing situation-aware services. A situation-aware or situated web application is one that renders the user with an experience (content, interaction and presentation) that is so tailored to his/her current situation. This requires the facts and opinions regarding the context to be communicated to the server by means of a profile, which is then applied against the description of the application o ...

Keywords: CC/PP, XML, profiles, situated-aware applications, vocabulary, web architecture

Vinci: a service-oriented architecture for rapid development of web applications Rakesh Agrawal, Roberto J. Bayardo, Daniel Gruhl, Spiros Papadimitriou April 2001 Proceedings of the tenth international conference on World Wide Web

Full text available: pdf(472.82 KB) Additional Information: full citation, references, citings, index terms

20 At the Forge: Introducing SOAP

Reuven M. Lerner

March 2001 Linux Journal

Full text available: html(25.12 KB) Additional Information: full citation, references, index terms



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